

Patent Abstracts of Japan

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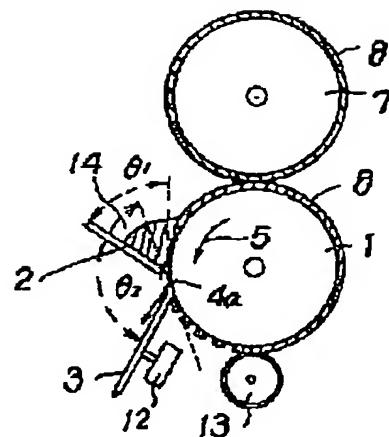
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TITLE : INK FEEDING DEVICE



ABSTRACT : PURPOSE: To form ink film of several microns on a pot cylinder and control the thickness of ink on a printing matter in the order of submicrons by vibrating a second blade and ON and OFF controlling a clearance between the front end of the blade and the surface of the pot cylinder.

CONSTITUTION: A pot cylinder 1 is rotated at 15RPM, and the thickness of an ink film on the pot cylinder 1 is set at a target of 5μ . A blade 3 for gravure printing put on the market can be used for the purpose. As a vibration mechanism 12, either an electromagnet mechanism or a piezoelectric element can be used. An ON-OFF ink film formed by a clearance 4a generated by the variation of monomers in front of a second blade 3 is pressurized by a small diameter smoothing roller 13 to form a thin ink film of uniform thickness and released to a form roller through a mixing roller 7.

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